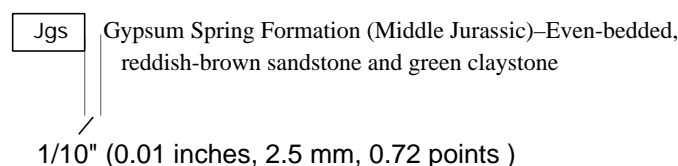


## EXPLANATION FOR GEOLOGIC MAP UNITS ON PAGE-SIZE ILLUSTRATIONS

**BASIC FORMAT**—The explanation shows boxed letter symbols (which have been approved by Geologic Names Committee) aligned in a single column and corresponding formation or unit names and their descriptions placed in the space adjacent to the boxes. Patterns may be used with letter symbols to emphasize important units from the map. Map symbols are shown beneath the description of map units.

**TITLES AND LAYOUT**—Generally place the explanation to the right of the map, but if space is a problem, it may be centered below the map. Use the word "EXPLANATION" as a title and center it 0.10" (2.5 mm) above the length of the box and text. Map symbols, which follow the description of map units, are not titled.

**TYPE STYLES**—Font size will vary according to space allowed, and the font name will vary according to the software package you are using; the title "EXPLANATION" should appear bolder than the descriptive material. Use 8-10 point Souvenir or Souvenir Medium - all caps for the title and 7-9 point Souvenir Light or Souvenir (italic for fossil names) for unit names and descriptions. Use 6-7 point Univers (Univers Regular in Adobe Illustrator) - caps and lowercase for map unit symbols. Use a long dash (1-em) between the unit name and description. Indent the second line of each unit in the description.



**BOXES**—Make the boxes 0.35" (9 mm) x 0.20" (5 mm) and use an 0.008" (0.20 mm) lineweight. If space is a factor, use a 7 to 4 ratio to readjust the size of the box. Use a 0.015" (1.5 mm) vertical space between boxes that have only one line of type; the space between others will vary with the amount of descriptive type. Place description 0.10" (2.5 mm) from the box. The boxed letter symbols should be centered within the box and aligned horizontally with the base of the description. (The description should not be aligned with the top of the box, even if it is longer than one line).

**MAP SYMBOLS**—Type should be the same size and style as used for the geologic map units; indent the second line. Show line symbols in appropriate lineweights that correspond to ones used on the map. Position the lines in a straight horizontal alignment to the center of the descriptive text, even if the feature is shown as a curve on the map. The length of the line symbol should not extend more than 0.20" (1.5 mm) from the ends of the box width. Show dashes and dots only if room allows. Center locational symbols; if a symbol has a value, then consider the value to be part of the overall width of the symbol when it is centered under the boxes.

